



Isobutylene

Description

Synonym: 2-Methyl-1-Propene, Isobutene
Formula: C₄H₈

Gas Data

Molecular Weight: 56.11
Density: 2.3959 kg/m³ @ 21.1°C, 101.325 kPa
0.14957 lb/ft³ @ 70°F, 14.696 psia
Specific Volume: 0.41738 m³/kg @ 21.1°C, 101.325 kPa
6.6858 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 1.8%
UFL in Air: 9.6%

Shipping Information

CAS Registry Number: 115-11-7
UN Number: UN 1055
ECCN Number: 1C982
DOT Proper Shipping Name: Isobutylene
DOT Classification: 2.1 (Flammable Gas)
DOT Label: FLAMMABLE GAS
TC Shipping Name: Isobutylene
TC Classification: 2.1
TC Label: FLAMMABLE GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1F	510	24	164	208	94
1A	510	24	164	172	78
2	510	24	164	90	41
3	510	24	164	46	21
4	510	24	164	24	11
LB	170	24	164	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
Isobutylene, CP Grade 99.0%	G1365106	1F	126 lb	57.15 kg	Single Stage Reg. LB Regulator Tee Purge Outlet Plug Wrench Flash Arrestor	Series 18-510 Series 3320-170 4753-510 TW-4* 6103A-F4
	G1365101	1A	40 lb	18.14 kg		
	G1365140	2	16 lb	7.26 kg		
	G1365150	3	7 lb	3.18 kg		
	G1365165	4	2 lb	0.91 kg		
	G1365175	LB	0.375 lb	170 gm		

LPG 5 and 10 gallon steel cylinders available with single or dual port CGA510 valves, FLET, and head pressure. Inquire.

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

*Except LB